

Reach new heights with compact fluorescent



PHILIPS

9,000 lumens of inspiration



imaginative



The proven benefits of compact fluorescent

With PL-H you get:

- Long lifetime (>20K hrs)
- Lower cost of ownership
- Instant white light
- High lumen maintenance – PL-H stays brighter longer
- No shift in colour temperature over lifetime
- Choice of colour temperatures
- Hot re-strike
- High colour rendering of Ra 85

Philips' MASTER PL-H compact fluorescent is truly an original breakthrough in lighting technology. For the first time, a compact fluorescent can generate up to 9,000 lumens. That means you can look for even more innovative and imaginative ways to create higher lighting levels, more comfort and more style –

all with fewer luminaires – in any number of applications. And as one of the few lighting companies to manufacture both lamps and gear, Philips has used its in-depth knowledge to develop and fine tune a MASTER PL-H system to assure long life and the best performance.

Now, you can use compact fluorescent systems to light applications such as this

Plugged into the way you think



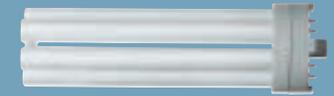
comforting



Go where no CFL has gone before

The PL-H system

'Amalgam' technology ensures optimum performance even under a wide operating temperature range in the luminaire.



Maximum visual comfort

Specially designed HF gear guarantees flicker-free operation for optimum visual comfort.



MASTER PL-H is optimised for use with electronic control gear. This ensures system efficiency and highly comfortable lighting. Moreover, Philips has developed a multi-watt high frequency ballast that operates across the whole lamp range, so you can specify which lamp wattages you prefer at any time during the project – right up until the last moment. In fact, Philips' MASTER PL-H allows you to use CFLs in applications that may have seemed unsuitable in the past. For example, in retail outlets, shopping malls, department stores, hifi shops, supermarkets and

DIY shops, MASTER PL-H is already enhancing shopping experiences across the globe. Shoppers are staying longer and buying more, feeling relaxed and comfortable because flicker-free operation and superior colour rendering ensures colours are seen in their natural, rich state. MASTER PL-H lamps are an ideal solution for general lighting in these applications and can be combined with compact discharge and accent lighting. Plus, the added benefits of low maintenance and efficiency ensure a cost-effective, long-lasting clear bright environment in the shop.

Now, you can use compact fluorescent systems to light applications such as this

More power to you



friendly



MASTER PL-H. More style, lower cost.

The BJB lamp holder makes relamping fast and foolproof. The central pin guides insertion and the multiple bayonet catches secure it in place. Just push and turn.



MASTER PL-H's long lifetime and low maintenance costs also makes it an ideal choice for lighting for public areas. Not only does the MASTER PL-H help people feel better; interiors become friendlier and more approachable. And hot re-strike means the lighting will always be switched on the instant power is restored after a power failure. MASTER PL-H is perfect anywhere where a lot of high quality light is needed at a low cost of ownership.

Lower costs:

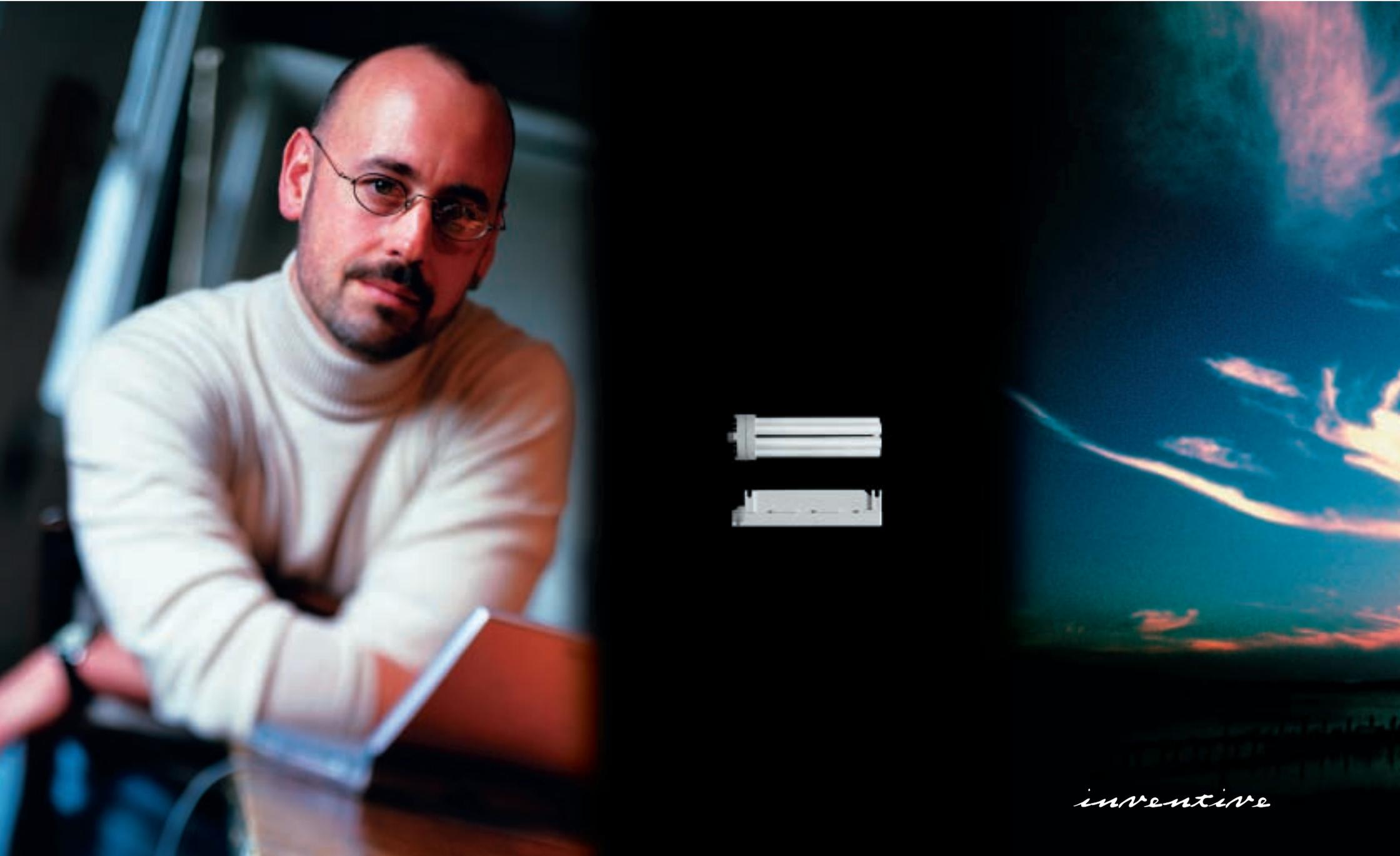
- Average rated lifetime of >20K hours
- High lumen maintenance of 85% after 10K hours
- Lighting installation require less re-lamping than many other solutions
- Save on expensive man-hours and lamp replacement costs

Combine that with the capital savings of using fewer luminaires, and you can recommend MASTER PL-H as a competitive solution.

Perfect for applications such as airports, train stations, town halls, schools and exhibition centres.

Now, you can use compact fluorescent systems to light applications such as this

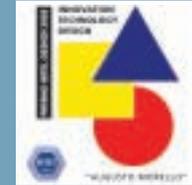
The sky's the limit



inventive

Answer the trend for higher lighting levels

Double Award Winner At New York's Lightfair International 2003, MASTER PL-H recently won two awards: one in the 'Best Systems Category', together with Advance Transformer, and BJB Electric, and one in the prestigious 'Energy Category'.



As a member of the Philips Compact Fluorescent family (which includes lamps for general lighting, downlighting and public lighting), MASTER PL-H continues our tradition of longer life and higher lumen maintenance in compact fluorescents. Moreover, as an original breakthrough in lamp technology, MASTER PL-H enables you to answer the trend for higher general lighting levels and use compact fluorescent luminaires for projects where it was previously not possible. For example, in outdoor residential areas and city centres as well as sports halls and arenas, MASTER PL-H's soft,

glare-free natural white light enhances the atmosphere and environment and helps them come alive.

- They provide low cost maintenance thanks to a service lifetime of 16K hours (min. 90% survivors)
- They maintain light output, even at low operating temperatures, thanks to the applied Amalgam technology
- Can be used to replace high-pressure mercury lamps in new installations

Now, you can use compact fluorescent systems to light applications such as this

MASTER PL-H lamps and gear



As one of the few lighting companies to manufacture both lamps and gear, Philips has used its in-depth knowledge to develop a MASTER PL-H system with an assured long life, one that's fine-tuned for optimised performance.

Type	Cap base	Lumen output lm	Colour designation	Colour temp K	Efficacy lm/W	Lumen maintenance 10,000 hrs %	EOC 871 1500
/830							
MASTER PL-H 60W/830/4P A	2G8	4000	warm white	3000	67	85	26407725
MASTER PL-H 85W/830/4P A	2G8	6000	warm white	3000	69	85	26411425
MASTER PL-H 120W/830/4P A	2G8	9000	warm white	3000	73	85	26403925
/840							
MASTER PL-H 60W/840/4P A	2G8	4000	cool white	4000	67	85	26409125
MASTER PL-H 85W/840/4P A	2G8	6000	cool white	4000	69	85	26423725
MASTER PL-H 120W/840/4P A	2G8	9000	cool white	4000	73	85	26405325

Ballast	Lamp	Power factor	Max. cable cap ¹⁾ lp-lp/lp-gnd	TC max °C	Oper ²⁾ Freq. (kHz)	EOC 871 1500
Gear: One gear type for all lamps.						
HF-P PL-H 60-120	PL-H 60W	0.96	150/150	75	46	92875730
HF-P PL-H 60-120	PL-H 85W	0.98	150/150	75	46	92875730
HF-P PL-H 60-120	PL-H 120W	0.99	150/150	75	46	92875730

¹⁾ lp-lp = between lamp wires
lp-lgnd = between lamp wires and ground
²⁾ Tolerance ± 3kHz

Typical wire capacitance 50 pF/m (spacing between wires 0.5 mm)
Typical wire capacitance 72 pF/m (spacing between wires 0.5 mm)

Original thinking in lamps & gear

Philips Lighting is the world's leading company in lighting solutions. A company renowned for innovation and technology breakthroughs. For example, MASTER TL5, MASTER Colour, QL and the HF-P electronic gear have all been radical advances from Philips that soon became industry standards. And all these advances began with a deep understanding of people's needs. Then, with the application of original thinking they became truly meaningful lighting innovations. With this commitment to original thinking, Philips continues to realise its vision and ensure sustainable business success for itself and its business partners, while simultaneously improving people's quality of life through lighting.

www.PLH.philips.com

